aiwa SERVICE

# XC-37M U

# SERVICE MANUAL

COMPACT DISC PLAYER BASIC CD MECHANISM : 6ZG-1 SRTDM

• Replace this Service Manual with ”Revision Publishing” when it is issued.

aiwa

S/M Code No. 09-004-430-4T1

SIMPLE DATA

# ELECTRICAL MAIN PARTS LIST - 1/2

NOTE: The characters in the suffix column indicate the part usage.

U .....XX.....A.....

| REF.NO | | PARTS NO. | KANRI NO. | DESCRIPTION | SUFFIX |
|---|---|---|---|---|---|
| | | 88-906-351-110 | | FF-CABLE,6P 1.25 | A |
| | | 88-907-251-210 | | FF-CABLE,7P 1.25 250MM | A |
| | | 88-916-241-210 | | FF-CABLE,16P 1.25 240MM | A |
| PT | 301 | 87-AMB-607-010 | | PT,7AM-B U | A |
| C | 202 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 | A |
| C | 203 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 | A |
| C | 206 | 87-010-197-080 | | CAP,CHIP 0.01 DM | A |
| C | 201 | 87-010-263-080 | | CAP,ELECT 100-10V | A |
| C | 208 | 87-010-494-040 | | CAP,E 1-50 GAS | A |
| C | 209 | 87-010-496-040 | | CAP,E 3.3-50 GAS | A |
| C | 204 | 87-010-553-040 | | CAP,E 47-16 GAS | A |
| C | 205 | 87-010-553-040 | | CAP,E 47-16 GAS | A |
| C | 207 | 87-012-140-080 | | CAP,470P | A |
| CN | 202 | 87-099-033-010 | | CONN,16P 6216 H | A |
| CN | 201 | 87-099-200-010 | | CONN,7P 6216 H | A |
| D | 201 | 87-020-465-080 | | DIODE,1SS133 | A |
| IC | 202 | 87-NF8-614-010 | | IC,SPS-442-1-W | A |
| IC | 201 | 8A-AM1-605-010 | | C-IC,LC866440W-XXXX | A |
| L | 201 | 87-003-102-080 | | COIL,10UH | A |
| Q | 201 | 87-026-235-080 | | C-TR,DTC114EK | A |
| Q | 202 | 89-327-125-080 | | C-TR,2SC2712GR | A |
| X | 201 | 87-008-394-080 | | CERAMIC FILTER | A |
| CN | 501 | 88-803-031-050 | | CONN ASSY,3P 100MM | A |
| FL | 501 | 86-VMB-601-010 | | FL,25U48101TA | A |
| LED | 503 | 87-017-785-080 | | LED,SEL4214S | A |
| LED | 504 | 87-017-785-080 | | LED,SEL4214S | A |
| LED | 501 | 87-017-785-080 | | LED,SEL4214S | A |
| LED | 502 | 87-017-785-080 | | LED,SEL4214S | A |
| LED | 505 | 87-017-785-080 | | LED,SEL4214S | A |
| LED | 507 | 87-A40-380-180 | | LED,SEL6510C-TP5 GRN | A |
| LED | 509 | 87-A40-380-180 | | LED,SEL6510C-TP5 GRN | A |
| LED | 508 | 87-A40-380-180 | | LED,SEL6510C-TP5 GRN | A |
| LED | 506 | 87-A40-380-180 | | LED,SEL6510C-TP5 GRN | A |
| LED | 510 | 87-A40-380-180 | | LED,SEL6510C-TP5 GRN | A |
| Q | 506 | 87-026-608-080 | | C-TR,DTC123JK | A |
| Q | 507 | 87-026-608-080 | | C-TR,DTC123JK | A |
| Q | 502 | 87-026-608-080 | | C-TR,DTC123JK | A |
| Q | 508 | 87-026-608-080 | | C-TR,DTC123JK | A |
| Q | 504 | 87-026-608-080 | | C-TR,DTC123JK | A |
| Q | 509 | 87-026-608-080 | | C-TR,DTC123JK | A |
| Q | 501 | 87-026-608-080 | | C-TR,DTC123JK | A |
| Q | 505 | 87-026-608-080 | | C-TR,DTC123JK | A |
| Q | 503 | 87-026-608-080 | | C-TR,DTC123JK | A |
| Q | 510 | 87-026-608-080 | | C-TR,DTC123JK | A |
| R | 541 | 87-022-355-080 | | C-RES,S10K-1/10W F | A |
| R | 543 | 87-022-355-080 | | C-RES,S10K-1/10W F | A |
| R | 542 | 87-022-355-080 | | C-RES,S10K-1/10W F | A |
| SW | 519 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 517 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 513 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 518 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 515 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 514 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 516 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 512 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 526 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 525 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 520 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 522 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 527 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 524 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 523 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 521 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| SW | 528 | 87-A90-095-080 | | SW,TACT EVQ11G04M | A |
| | | 82-304-743-010 | | TERMINAL,1P | A |
| | | 82-304-743-010 | | TERMINAL,1P | A |
| C | 308 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 | A |
| C | 307 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 | A |
| C | 303 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 | A |
| C | 302 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 | A |
| C | 306 | 87-010-236-080 | | CAP,E 1000-10 SME | A |
| C | 309 | 87-010-263-080 | | CAP,ELECT 100-10V | A |
| C | 305 | 87-010-322-080 | | C-CAP,S 100P-50 CH | A |
| C | 304 | 87-010-805-080 | | CAP,S 1-16 | A |
| C | 301 | 87-010-878-090 | | CAP,E6800-16 | A |
| C | 310 | 87-010-197-080 | | CAP,CHIP 0.01 DM | A |
| C | 311 | 87-010-805-080 | | CAP,S 1-16 | A |
| C | 322 | 87-010-178-080 | | CHIP CAP,1000P | A |
| C | 321 | 87-010-247-080 | | CAP,ELECT 100-50V | A |
| C | 323 | 87-010-247-080 | | CAP,ELECT 100-50V | A |
| C | 324 | 87-010-263-080 | | CAP,ELECT 100-10V | A |

# ELECTRICAL MAIN PARTS LIST - 2/2

| | | | | |
|---|---|---|---|---|
| C | 325 | 87-010-405-080 | CAP,ELECT 10-50V | A..... |
| C | 326 | 87-010-405-080 | CAP,ELECT 10-50V | A..... |
| CN | 303 | 87-099-199-010 | CONN,6P 6216 H | A..... |
| CN | 301 | 87-099-200-010 | CONN,7P 6216 H | A..... |
| D | 304 | 87-A40-184-090 | DIODE,RK34(F) | A..... |
| D | 301 | 87-A40-184-090 | DIODE,RK34(F) | A..... |
| D | 303 | 87-A40-184-090 | DIODE,RK34(F) | A..... |
| D | 302 | 87-A40-184-090 | DIODE,RK34(F) | A..... |
| D | 325 | 87-017-083-080 | ZENER,HZS4C2 | A..... |
| D | 321 | 87-A40-189-080 | DIODE,1SR139-400 | A..... |
| D | 322 | 87-A40-189-080 | DIODE,1SR139-400 | A..... |
| D | 324 | 87-A40-189-080 | DIODE,1SR139-400 | A..... |
| D | 323 | 87-A40-189-080 | DIODE,1SR139-400 | A..... |
| F | 302 | 87-A90-410-080 | FUSE,0.5A 125V 251 | A..... |
| F | 301 | 87-A90-426-080 | FUSE,3A 125V 251 | A..... |
| IC | 301 | 87-020-903-010 | IC,NJM7805FA | A..... |
| Q | 308 | 87-026-608-080 | C-TR,DTC123JK | A..... |
| Q | 309 | 87-026-608-080 | C-TR,DTC123JK | A..... |
| Q | 303 | 89-111-625-080 | TR,2SA1162 | A..... |
| Q | 301 | 89-213-702-010 | TR,2SB1370 | A..... |
| Q | 305 | 89-327-125-080 | C-TR,2SC2712GR | A..... |
| Q | 304 | 89-327-125-080 | C-TR,2SC2712GR | A..... |
| Q | 322 | 89-111-625-080 | TR,2SA1162 | A..... |
| Q | 321 | 89-213-302-080 | TR,2SB1330 | A..... |
| CN | 503 | 87-009-345-010 | CONN,2P PH H | A..... |
| CN | 504 | 88-803-020-840 | CONN ASSY,2P 80MM | A..... |
| SW | 505 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 507 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 501 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 508 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 503 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 509 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 500 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 502 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 504 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 506 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 510 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 511 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| C | 401 | 87-010-178-080 | CHIP CAP,1000P | A..... |
| C | 402 | 87-010-178-080 | CHIP CAP,1000P | A..... |
| C | 409 | 87-010-178-080 | CHIP CAP,1000P | A..... |
| C | 407 | 87-010-197-080 | CAP,CHIP 0.01 DM | A..... |
| C | 403 | 87-010-503-040 | CAP,E 220-4 GAS | A..... |
| C | 404 | 87-010-503-040 | CAP,E 220-4 GAS | A..... |
| C | 408 | 87-010-549-040 | CAP,E 47-6.3 GAS | A..... |
| C | 406 | 87-010-549-040 | CAP,E 47-6.3 GAS | A..... |
| C | 410 | 87-010-178-080 | CHIP CAP,1000P | A..... |
| C | 412 | 87-010-196-080 | CHIP CAPACITOR,0.1-25 | A..... |
| C | 416 | 87-010-805-080 | CAP,S 1-16 | A..... |
| C | 415 | 87-010-805-080 | CAP,S 1-16 | A..... |
| CN | 411 | 87-AM1-632-010 | CONN ASSY,7P HP | A..... |
| CN | 505 | 87-009-346-010 | CONN,3P PH H | A..... |
| IC | 401 | 87-017-878-080 | IC,TDA1308T | A..... |
| J | 401 | 87-099-580-010 | JACK,6.3 ST/SW/4609G | A..... |
| CN | 401 | 87-AMB-611-010 | CONN ASSY,3P PIN-JACK | A..... |
| J | 401 | 87-009-610-010 | JACK PIN 2P H EARH | A..... |
| | | 86-VMB-205-010 | GUIDE,FL | A..... |
| | | 87-067-001-010 | FW,3.1-5.4-1 | A..... |

# MECHANICAL PARTS LIST - 1/1

NOTE: The characters in the suffix column indicate the part usage.

U .....XX.....A.....

| REF.NO | PARTS NO. | KANRI NO. | DESCRIPTION | SUFFIX |
|---|---|---|---|---|
| | 82-AA1-029-110 | | FOOT (SG) | A |
| | 87-AM1-003-010 | | CABI,STEEL | A |
| | 87-B00-002-010 | | BADGE,AIWA 30 ABS SIL | A |
| | 8A-AM1-001-010 | | CABI,FR 37U | A |
| | 8A-AM1-002-010 | | PANEL,REAR(L) 37UBM | A |
| | 8A-AM1-003-010 | | PANEL,REAR(R) 37UBM | A |
| | 87-AM1-007-010 | | KEY,PLAY | A |
| | 87-AM1-008-010 | | KEY,PBC | A |
| | 87-AM1-009-010 | | KEY,POWER | A |
| | 87-AM1-014-010 | | REFLECTOR,PLAY | A |
| | 87-AM1-015-010 | | REFLECTOR,FF | A |
| | 87-AMB-005-010 | | KEY,DISPLAY(U) | A |
| | 87-AMB-006-010 | | KEY,DIRECT(U) | A |
| | 8Z-AM1-004-010 | | KEY,TEN(35) | A |
| | 87-MAT-009-010 | | WINDOW,TOP(U) | A |
| | 8A-AM1-004-010 | | PANEL,CD DIR | A |
| | 8Z-AM1-003-010 | | PANEL,TRAY(35) | A |
| | 8Z-AM1-005-010 | | WINDOW,DISPLAY (SMK) | A |
| | 84-ZG1-245-210 | | CAP,OPTICAL | A |
| | 86-VMB-202-010 | | HLDR,PT | A |
| | 86-VMB-206-010 | | HLDR,PCB | A |
| | 87-067-058-010 | | FW 3.2-8-1 | A |
| | 87-AM1-202-010 | | HLDR,CABI | A |
| | 87-AM1-203-010 | | GUIDE,LED | A |
| | 87-AM1-208-010 | | HLDR,SUB | A |
| | 89-VP5-206-010 | | HLDR,IC | A |
| | 81-MK1-210-010 | | S-SCREW,VFT2+3-16 | A |
| | 87-067-584-010 | | TAPPING SCREW, BVT2+3-6 | A |
| | 87-067-585-010 | | TAPPING SCREW, BVTT+4-6 | A |
| | 87-067-641-010 | | UTT2+3-8(W/O SLOT)BL | A |
| | 87-067-703-010 | | TAPPING SCREW, BVT2+3-10 | A |
| | 87-591-094-410 | | TAPPING SCREW, QIT+3-6 | A |
| | 87-B10-021-010 | | BVT2+3-8W/CONVEX BLK | A |
| | 87-085-189-010 | | BUSHING, CORD (U) | A |
| | 87-A80-110-010 | | AC CORD ASSY,U SPT-2W | A |
| | 88-906-351-110 | | FF-CABLE, 6P 1.25 | A |
| | 88-907-251-210 | | FF-CABLE, 7P 1.25 250MM R | A |
| | 88-916-241-210 | | FF-CABLE, 16P 1.25 240MM | A |
| PT 301 | 87-AMB-607-010 | | PT,7AM-B U | A |
| | 82-304-743-010 | | TERMINAL, 1P | A |
| | 86-VMB-205-010 | | GUIDE,FL | A |
| | 87-067-001-010 | | FW,3.1-5.4-1 | A |

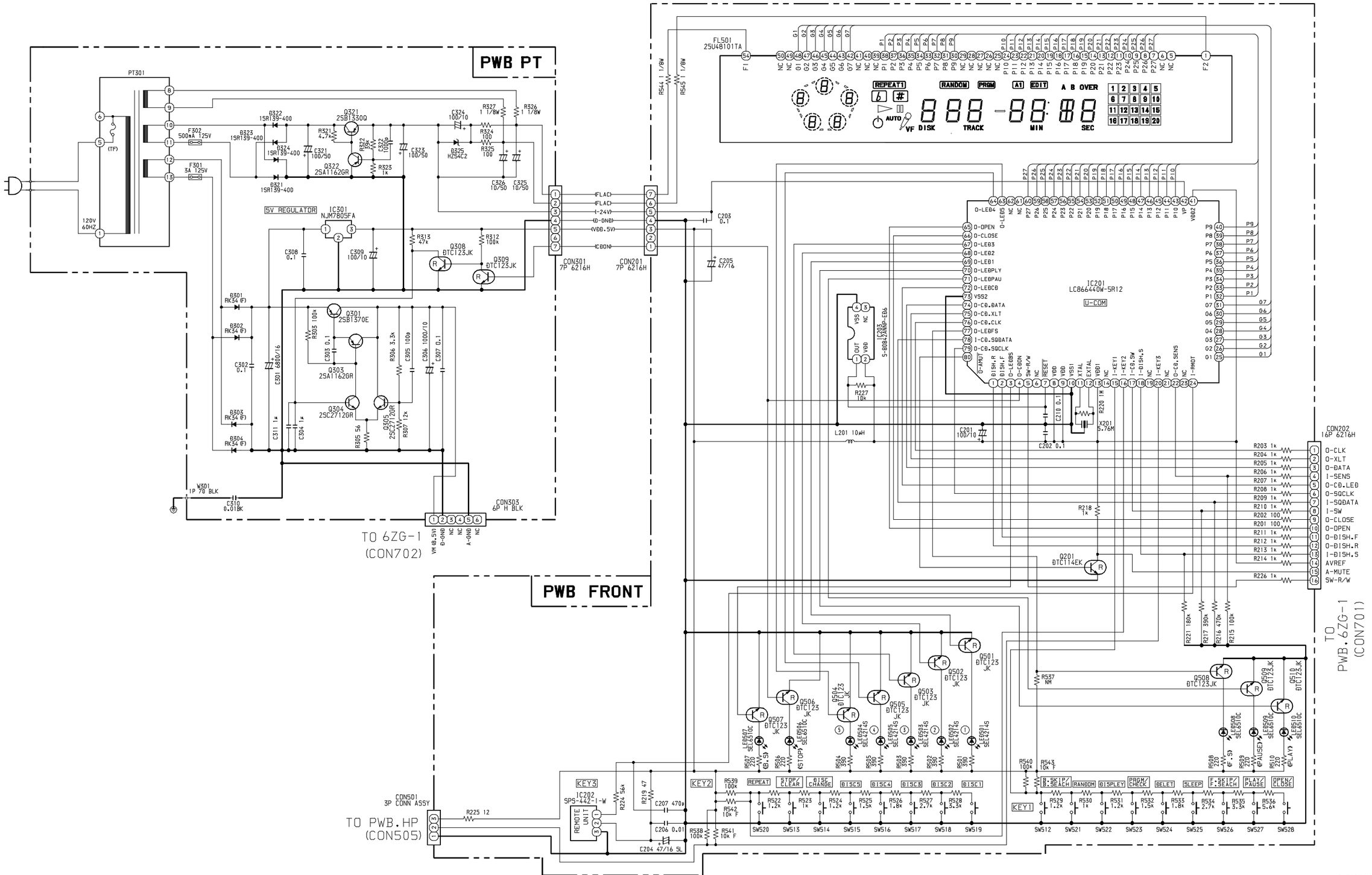
# ACCESSORIES / PACKAGE LIST - 1/1

NOTE: The characters in the suffix column indicate the part usage.

U .....XX.....A.....

| REF.NO | PARTS NO. | KANRI NO. | DESCRIPTION | SUFFIX |
|---|---|---|---|---|
| | 8A-AM1-903-010 | | IB,U(ESF)M | A..... |
| | 87-A80-032-010 | | CORD,PIN 2P RED-WHT | A..... |
| | 8A-AM1-951-010 | | RC UNIT,7AC04(BLK) | A..... |

SCHEMATIC DIAGRAM – 1 (FRONT / PT)




T.MASUYAMA

CIRCUIT DIAGRAM

8A AM1 601 019

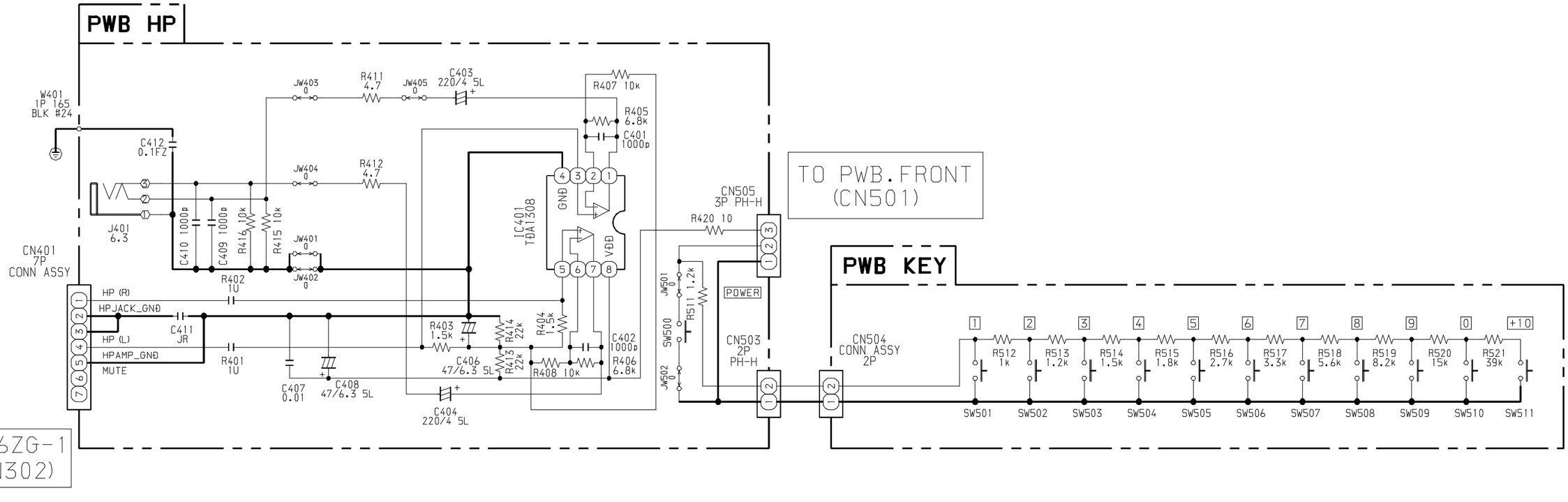
C0000330

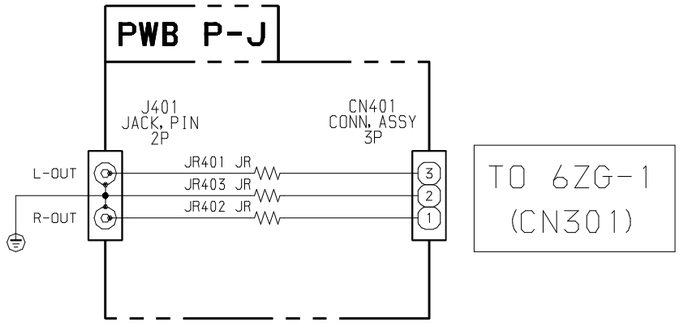
AAM-1 XC-37M

2000 2 28

B-AAM-1-FRONT

SCHEMATIC DIAGRAM – 2 (KEY / HP / PJ)




B-AAM-1H.K.P

T.MASUYAMA

CIRCUIT DIAGRM

87 AMB 605 019
87 AM1 621 219

C0000332

AAM-1 XC-37M

2000 2 28

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